| L N | L Number Hits | Search Text | DB | Time stamp |
|----------|---------------|--|--------------------|--------------------------------------|
| <u> </u> | | tewfik.in | USPAT; | 2003/07/21 15:40 |
| 32 | | 0 tewfi\$3.in | USPAT; | 2003/07/21 15:40 |
| 33 | | 14 tewfi\$3.in. | USPAT; | 2003/07/21 15:41 |
| 34 | | 8 tewfi\$3.in. and mask\$3 | USPAT; | 2003/07/21 15:41 |
| • | 4845 | ((382/100,232) or (380/205,207,208,209,210,216) or (713/168,170,176,179) or (370/527,529) or | USPAT; | 2003/07/14 14:03 |
| • | 899 | ((345/460,465,661) or (723/31) or (399/366) or (358/517) or (345/626,563)). CCLS. (((382/100,232) or (380/205,207,208,209,210,216) or (713/168,170,176,179) or (370/527,529) or | USPAT; | 2003/07/14 17:03 |
| , | 56 | (348/460,465,661) or (725/31) or (399/366) or (358/517) or (345/626,563)).CCLS.) and mask\$3 ((((382/100,232) or (380/205,207,208,209,210,216) or (713/168,170,176,179) or (370/527,529) or | US-PGPUB USPAT; | 2003/07/14 14:10 |
| | | nd (mask\$3 | US-PGPUB | |
| • | | 2) or (380/205,207,208,209,210,216) or (713/168,170,176,179) or (370/527,529) or (380/205,207,529) or (358/517) or (345/626,563)).CCLS.) and mask\$3) and (mask\$3 | USPAT; US-PGPUB | 2003/07/14 17:02 |
| • | 16 | near pattern\$2)) and (high adj frequenc\$3) ("4982277" "5369261" "5374976" "5449200" "5502576" "5530759" "5568555" "5617119" "5636292" | USPAT | 2003/07/14 15:05 |
| • | 10 | "5687236" "5727092" "5825892" "5893101" "5930369" "5946414" "5974548").PN. ((((382/100,232) or (380/205,207,208,209,210,216) or (713/168,170,176,179) or (370/527,529) or (348/460,465,661) or (725/31) or (399/366) or (358/517) or (345/626,563)) CCLS) and mask\$3) and (blue\$2 | USPAT; | 2003/07/14 17:04 |
| • | | near noise\$∠) 0 ((((382/100,232) or (380/205,207,208,209,210,216) or (713/168,170,176,179) or (370/527,529) or (348/460,465,661) or (725/31) or (399/366) or (358/517) or (345/626,563)).CCLS.) and mask\$3) and (blue\$2 し | USPAT; US-PGPUB | 2003/07/14 17:05 |
| • | 145 | near noise\$2)) and (blue\$2 near noise\$2).clm. (blue\$2 near noise\$2) and mask\$3 | USPAT; | 2003/07/15 13:08 |
| • | 140 | ((blue\$2 near noise\$2) and mask\$3) and (blue\$2 adj noise\$2) and mask\$3 | USPAT; | 2003/07/14 17:05 |
| • | 98 | (((blue\$2 near noise\$2) and mask\$3) and (blue\$2 adj noise\$2) and mask\$3) and @ad<19990716 | USPAT; | 2003/07/14 17:06 |
| 1 | 40 | (((blue\$2 near noise\$2) and mask\$3) and (blue\$2 adj noise\$2) and mask\$3) and @rlad<19990716 | USPAT; US-PGPUB | 2003/07/14 17:06 |
| ' | 105 | ((((blue\$2 near noise\$2) and mask\$3) and (blue\$2 adj noise\$2) and mask\$3) and @ad<19990716) or ((((blue\$2 near noise\$2) and mask\$3) and (blue\$2 adj noise\$2) and mask\$3) and @rlad<19990716) | USPAT; US-PGPUB | 2003/07/15 13:07 |
| 1 | | 9 ("3675948" "4210346" "5315098" "5337361" "5341228" "5396559" "5488664" "5583950" "5734752") PN | USPAT | 2003/07/14 17:38 |
| 1 1 | 33 78793 | 5341228.URPN. image\$2 and mask\$3 | USPAT USPAT; | 2003/07/14 17:41 2003/07/15 13:09 |
| • | 211 | (image\$2 and mask\$3) and (intermidiate or medium) adj2 frequenc\$4 | USPAT; | 2003/07/15 13:10 |
| • | 787 | (image\$2 and mask\$3) and ((intermediate\$2 or medium\$2) adj2 frequenc\$4) | USPAT; | 2003/07/15 15:22 |
| • | 380 | ((image\$2 and mask\$3) and ((intermediate\$2 or medium\$2) adj2 frequenc\$4)) and ((authentication\$2 or authenticit\$3) or watermark\$3 or (water adj mark\$3) or signature\$2 or identification\$2 or autilian) | USPAT; | 2003/07/15 13:34 |
| • | 994 | (image\$2 and mask\$3) and ((intermediate\$2 or medium\$2) near3 frequenc\$4) | USPAT; US-PGPUB | 2003/07/15 13:15 |

| and ((authentication\$2 or authenticit\$3) or watermark\$3 or (water adj mark\$3) or signature\$2 or identification\$2 or auxiliary or embed\$4)) and (((intermediate\$2 or medium\$2) near3 frequenc\$4) same ((larg\$3 or high\$3) near3 frequenc\$4))) and ((intermediate\$2 or medium\$2) near3 frequenc\$4)) and ((image\$2 and mask\$3) and ((intermediate\$2 or medium\$2) near3 frequenc\$4)) and ((larg\$3 or high\$3) or signature\$2 or identification\$2 or auxiliary or embed\$4)) and ((intermediate\$2 or medium\$2) near3 frequenc\$4)) and ((intermediate\$2 or medium\$2) near3 frequenc\$4)) and ((larg\$3 or high\$3) near3 frequenc\$4)) and ((larg\$3 or high\$3) or signature\$2 or identification\$2 or auxiliary or embed\$4)) and ((intermediate\$2 or medium\$2) near3 frequenc\$4)) and ((larg\$3 or high\$3) or signature\$2 or identification\$2 or auxiliary or embed\$4)) and ((intermediate\$2 or medium\$2) near3 frequenc\$4)) and (larg\$3 or high\$3) near3 frequenc\$4)) and ((larg\$3 or high\$3) near3 frequenc\$4)) and ((larg\$3 or high\$3) near3 frequenc\$4))) and ((larg\$3 or high\$3) near3 frequenc\$4)) | and ((authentication\$2 or authenticit\$3) or videntification\$2 or auxiliary or embed\$4)) and ((larg\$3 or high\$3) near3 frequenc\$4))) and ((larg\$3 or high\$3) and ((intermed near3 frequenc\$4)) and ((authentication\$2 signature\$2 or identification\$2 or auxiliary of frequenc\$4) same ((larg\$3 or high\$3) near3 mask\$3) and ((intermediate\$2 or medium\$2) | mask\$3) and ((intermediate\$2 or medium\$2) near3 frequenc\$4) and ((authentication\$2 or authenticit\$3) or watermark\$3 or (wa identification\$2 or auxiliary or embed\$4)) and (((intermediate\$2 or identification\$2 or auxiliary or embed\$4)) and @riad<19990716) ((((((((image\$2 and mask\$3) and ((intermediate\$2 or medium\$2 near3 frequenc\$4)) and ((authentication\$2 or authenticit\$3) or signature\$2 or identification\$2 or auxiliary or embed\$4)) and (frequenc\$4) same ((larg\$3 or high\$3) near3 frequenc\$4)) and mask\$3) and ((intermediate\$2 or medium\$2) near3 frequenc\$4) | frequenc\$4) same ((larg\$3 or high\$3) near3 frequenc\$4))) and @rlad<19990716 122 (((((((image\$2 and mask\$3) and ((intermediate\$2 or medium\$2) near3 frequenc\$4)) and ((authentication\$2 or authenticit\$3) or watermark\$3 or (watermediate\$2 or identification\$2 or auxiliary or embed\$4)) and ((intermediate\$2 or identification\$3 or high\$3) near3 frequenc\$4)) and @ad<100007163 or high\$3) near3 frequenc\$4)) and ((intermediate\$2 or watermark\$3) or watermark\$3 or high\$3) near3 frequenc\$4)) and ((intermediate\$2 or watermark\$3) or watermark\$3 or high\$3) near3 frequenc\$4)) and ((intermediate\$2 or watermark\$3) or watermark\$3 or high\$3) near3 frequenc\$4)) and ((intermediate\$2 or watermark\$3) near3 frequenc\$4)) and ((intermediate\$2 or watermark\$3) near3 frequenc\$4)) and (intermediate\$2 or watermark\$3) near3 frequenc\$4)) and (intermediate\$2 or watermark\$4)) and (intermediate\$2 or watermark\$4) and (intermediate\$2 or watermark\$4) and (intermediate\$4) and (int | frequenc\$4) same ((larg\$3 or high\$3) near3 frequenc\$4))) and @ad<19990716 (((((limage\$2 and mask\$3) and ((intermediate\$2 or medium\$2) near3 frequenc\$4)) and ((authentication\$2 or authenticit\$3) or watermark\$3 or (signature\$2 or identification\$2 or auxiliary or embed\$4)) and ((intermediate\$2 or identification\$2 or auxiliary or embed\$4)) | frequenc\$4) same ((larg\$3 or high\$3) near3 frequenc\$4)) 105 (((((image\$2 and mask\$3) and ((intermediate\$2 or mediur near3 frequenc\$4))) and ((authentication\$2 or authenticit\$3 signature\$2 or identification\$2 or auxiliary or embed\$4)) | - 158 ((((image\$2 and mask\$3) and ((intermediation\$2 near3 frequenc\$4)) and ((authentication\$2 or auxiliary o | signature\$2 or identification\$2 or auxiliary or embed\$4) |
|---|---|--|---|--|---|---|---|
| and ((authentication\$2 or authenticit\$3) or watermark\$3 or (water adj mark\$3) or signature\$2 or identification\$2 or auxiliary or embed\$4)) and (((intermediate\$2 or medium\$2) near3 frequenc\$4) same ((larg\$3 or high\$3) near3 frequenc\$4)) and @rlad<19990716)) and (mask\$3 with stochastic\$5) (((((((image\$2 or medium\$2) near3 frequenc\$4)) and ((larg\$3 or high\$3) or near3 frequenc\$4)) and ((authentication\$2 or authenticit\$3) or watermark\$3 or (water adj mark\$3) or near3 frequenc\$4)) | and ((authentication\$2 or authenticit\$3) or watermark\$3 or (water adj mark\$3) or signature\$2 or identification\$2 or auxiliary or embed\$4)) and (((intermediate\$2 or medium\$2) near3 frequenc\$4) same ((larg\$3 or high\$3) near3 frequenc\$4)) and @riad<19990716)) and (mask\$3 near3 stochastic\$5) ((((((image\$2 and mask\$3) and ((intermediate\$2 or medium\$2) near3 frequenc\$4)) and ((larg\$3 or high\$3) or near3 frequenc\$4)) and ((authentication\$2 or authenticit\$3) or watermark\$3 or (water adj mark\$3) or signature\$2 or identification\$2 or auxiliary or embed\$4)) and ((intermediate\$2 or medium\$2) near3 frequenc\$4)) and ((intermediate\$2 or medium\$2) and mark\$3) and ((intermediate\$2 or medium\$2) near3 frequenc\$4)) and ((intermediate\$2 or high\$3) near3 frequenc\$4)) | mask\$3) and ((intermediate\$2 or medium\$2) near3 frequenc\$4)) and ((larg\$3 or high\$3) near3 frequenc\$4)) and ((intermediate\$2 or medium\$2) near3 frequenc\$4)) and ((larg\$3 or high\$3) near3 frequenc\$4)) and ((authentication\$2 or authenticit\$3) or watermark\$3 or (water adj mark\$3) or signature\$2 or identification\$2 or auxiliary or embed\$4)) and ((intermediate\$2 or medium\$2) near3 frequenc\$4)) and (signature\$2 or medium\$2) near3 frequenc\$4)) and ((intermediate\$2 or medium\$2) near3 frequenc\$4)) and ((authentication\$2 or authenticit\$3) or watermark\$3 or (water adj mark\$3) or signature\$2 or identification\$2 or auxiliary or embed\$4)) and ((intermediate\$2 or medium\$2) near3 frequenc\$4)) and ((intermediate\$2 or medium\$2) near3 frequenc\$4)) and ((intermediate\$2 or medium\$2) near3 frequenc\$4)) and (intermediate\$2 or medium\$2) near3 frequenc\$4)) and (intermediate\$2 or medium\$2) near3 frequenc\$4)) | frequenc\$4) same ((larg\$3 or high\$3) near3 frequenc\$4))) and @rlad<19990716 ((((((image\$2 and mask\$3) and ((intermediate\$2 or medium\$2) near3 frequenc\$4)) and ((larg\$3 or high\$3) near3 frequenc\$4)) and ((authentication\$2 or authenticit\$3) or watermark\$3 or (water adj mark\$3) or signature\$2 or identification\$2 or auxiliary or embed\$4)) and (((intermediate\$2 or medium\$2) near3 signature\$2 or identification\$2 or auxiliary or embed\$4)) and (((intermediate\$2 or medium\$2) and ((intermediate\$2 or medium\$2) and ((intermediate\$2) or medium\$2) and ((intermediate\$2) and (intermediate\$2) are medium\$2) and ((intermediate\$2) are medium\$2) and ((intermediate\$2) are medium\$2) and ((intermediate\$2) are medium\$2) and ((intermediate\$2) are medium\$2) are medium\$2) and ((intermediate\$2) are medium\$2) are m | frequenc\$4) same ((larg\$3 or high\$3) near3 frequenc\$4))) and @ad<19990716 (((((image\$2 and mask\$3) and ((intermediate\$2 or medium\$2) near3 frequenc\$4)) and ((larg\$3 or high\$3) near3 frequenc\$4)) and ((larg\$3 or high\$3) or near3 frequenc\$4)) and ((authentication\$2 or authenticit\$3) or watermark\$3 or (water adj mark\$3) or signature\$2 or identification\$2 or auxiliary or embed\$4)) and (((intermediate\$2 or medium\$2) near3 | frequenc\$4) same ((larg\$3 or high\$3) near3 frequenc\$4)) (((((image\$2 and mask\$3) and ((intermediate\$2 or medium\$2) near3 frequenc\$4)) and ((larg\$3 or high\$3) or near3 frequenc\$4)) and ((authentication\$2 or authenticit\$3) or watermark\$3 or (water adj mark\$3) or near3 frequenc\$4)) and ((authentication\$2 or authenticit\$3) or watermark\$3 or (water adj mark\$3) or near3 | signature\$2 or identification\$2 or auxiliary or embed\$4) ((((image\$2 and mask\$3) and ((intermediate\$2 or medium\$2) near3 frequenc\$4)) and ((larg\$3 or high\$3) near3 frequenc\$4)) and ((authentication\$2 or authenticit\$3) or watermark\$3 or (water adj mark\$3) or signature\$2 or identification\$2 or auxiliary or embed\$4)) and (((intermediate\$2 or medium\$2) near3 | (((imagesz and masks3) and ((intermediatesz or mediumsz) near3 frequencs4)) and ((largs3 or highs3) near3 frequencs4)) and ((authentications2 or authenticits3) or watermarks3 or (water adj marks3) or |
| USPAT; US-PGPUB | USPAT; US-PGPUB | USPAT; US-PGPUB | USPAT; US-PGPUB | USPAT; US-PGPUB | USPAT; US-PGPUB | USPAT; US-PGPUB | US-PGPUB |
| 2003/07/15 13:19 | 2003/07/15 13:19 | 2003/07/15 13:35 | 2003/07/15 13:17 | 2003/07/15 13:17 | 2003/07/15 13:46 | 2003/07/15 13:16 | 2003/07/15 13:20 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|------------------------|--|--|---|---|---|--|--|--|---|---|---|--|---|--|--|--|--|--|---|
| | • | • | | • | | | • | - | | • | • | | | | | | | 1 | | | | • |
| 39 | 39 | 70 | 19209 | 35 | | 201 | 3 3 | | 183 | 283 | 51943 | | | | | | | 45 | | | | 77 |
| (((mask\$3 near5 image\$2) and (mask\$3 with (stochastic\$5 or (blue adj noise\$2)))) and (mask\$3 same frequenc\$3)) and mask\$3 and frequenc\$3 | ((mask\$3 near5 image\$2) and (mask\$3 with (stochastic\$5 or (blue adj noise\$2)))) and (mask\$3 same | (mask\$3 near5 image\$2) and (mask\$3 with (stochastic\$5 or (blue adj noise\$2))) | mask\$3 near5 image\$2 | (((((authentication\$2 or authenticit\$3) or watermark\$3 or (water adj mark\$3) or signature\$2) and (mask\$3 with (stochastic\$5 or (blue adj noise\$2)) or noise\$2))) and @ad<19990716) or ((((authentication\$2 or authenticit\$3) or watermark\$3 or (water adj mark\$3) or signature\$2) and (mask\$3 with (stochastic\$5 or (blue adj noise\$2)) or noise\$2))) and @dad<10000716)) and imports the content of the con | authenticit\$3) or watermark\$3 or (water adj mark\$3) or signature\$2) and (mask\$3 with (stochastic\$5 or (blue adj noise\$2) or noise\$2))) and @rlad<19990716) | ((((authentication\$2 or authenticit\$3) or watermark\$3 or (water adj mark\$3) or signature\$2) and (mask\$3 with (stochastic\$5 or (blue adj noise\$2) or noise\$2))) and @ad<19990716) or ((((authentication\$2 or | (((authentication\$2 or authenticit\$3) or watermark\$3 or (water adj mark\$3) or signature\$2) and (mask\$3 with (stochastic\$5 or (blue adj noise\$2) or noise\$2))) and @rlad<19990716 | (stochastic\$5 or (blue adj noise\$2) or noise\$2))) and @ad<19990716 | (stochastics5 or (blue adj noise\$2) or noise\$2)) | ((authentication\$2 or authenticit\$3) or watermark\$3 or (water adj mark\$3) or signature\$2) and (mask\$3 with | (authentication\$2 or authenticit\$3) or watermark\$3 or (water adj mark\$3) or signature\$2 | watermark\$3 or (water adj mark\$3) or signature\$2 or identification\$2 or auxiliary or embed\$4)) and (((intermediate\$2 or medium\$2) near3 frequenc\$4) same ((larg\$3 or high\$3) near3 frequenc\$4))) and ((intermediate\$2 or medium\$2) near3 frequenc\$4)) same ((larg\$3 or high\$3) near3 frequenc\$4))) and (@rlad<19990716)) and ((authentication\$2 or authenticit\$3) or watermark\$3 or (water adj mark\$3) or signature\$2 or embed\$4)) | auxiliary or embed\$4)) and (((intermediate\$2 or medium\$2) near3 frequenc\$4) same ((larg\$3 or high\$3) near3 frequenc\$4))) and @ad<19990716) or ((((((image\$2 and mask\$3) and ((intermediate\$2 or medium\$2) near3 frequenc\$4)) and ((larg\$3 or high\$3) near3 frequenc\$4)) and ((intermediate\$2 or medium\$2) and ((larg\$3 or high\$3) near3 frequenc\$4)) and ((intermediate\$2 or high\$3) and ((larg\$3 or high\$3) and ((larg\$3 or high\$3) near3 frequenc\$4)) and ((larg\$3 or high\$3) or high\$3) and ((larg\$3 or high\$3) and ((larg\$ | ((intermediate\$2 or medium\$2) near3 frequenc\$4)) and ((larg\$3 or high\$3) near3 frequenc\$4)) and ((authentication\$2 or authenticit\$3) or watermark\$3 or (water adj mark\$3) or signature\$2 or identification\$2 or | and ((authentication\$2 or authenticit\$3) or watermark\$3 or (water adj mark\$3) or signature\$2 or identification\$2 or auxiliary or embed\$4)) and (((intermediate\$2 or medium\$2) near3 frequenc\$4) same (((intermediate\$2 or medium\$2) near3 frequenc\$4) and ((intermediate\$2 or medium\$2) and mask\$3) and mask\$3) and (intermediate\$3 or high\$3) near3 frequenc\$4))) and @rlad<19990716)) not ((((intermediate \$2 or medium\$2)) and mask\$3) and ((intermediate \$3 or high\$3) or high\$3) and mask\$3) and mask\$3) and mask\$3) and ((intermediate \$3 or high\$3) and (intermediate \$3 or high | frequenc\$4) same ((larg\$3 or high\$3) near3 frequenc\$4))) and @ad<19990716) or ((((((image\$2 and mask\$3) and ((intermediate\$2 or medium\$2) near3 frequenc\$4)) and ((larg\$3 or high\$3) near3 frequenc\$4)) | near3 frequenc\$4)) and ((authentication\$2 or authenticit\$3) or watermark\$3 or (water adj mark\$3) or signature\$2 or identification\$2 or auxiliary or embed\$4)) and (((intermediate\$2 or medium\$2) near3 | watermark\$3 or (water adj mark\$3) or signature\$2 or embed\$4) ((((((image\$2 and mask\$3) and ((intermediate\$2 or medium\$2) near3 frequenc\$4)) and ((laro\$3 or high\$3) | identification\$2 or auxiliary or embed\$4)) and (((intermediate\$2 or medium\$2) near3 frequenc\$4) same ((larg\$3 or high\$3) near3 frequenc\$4)) and @rlad<19990716)) and ((authentication\$2 or authenticit\$3) or | mask\$3) and ((intermediate\$2 or medium\$2) near3 frequenc\$4)) and ((larg\$3 or high\$3) near3 frequenc\$4)) and ((arg\$3 or high\$3) or signature\$2 or | signature\$2 or identification\$2 or auxiliary or embed\$4)) and (((intermediate\$2 or medium\$2) near3 frequenc\$4) and ((intermediate\$2 or medium\$2) near3 | (((((((image\$2 and mask\$3) and ((intermediate\$2 or medium\$2) near3 frequenc\$4)) and ((larg\$3 or high\$3) near3 frequenc\$4)) and ((authentication\$2 or authenticit\$3) or watermark\$3 or (water adj mark\$3) or |
| USPAT; US-PGPUB | USPAT; | USPAT; | USPAT; | USPAT; US-PGPUB | | USPAT; US-PGPUB | USPAT; US-PGPUB | US-PGPUB | US-PGPUB | USPAT: | USPAT; | | | | | | US-PGPUB | HSPAT: | | | | USPAT; US-PGPUB |
| 2003/07/15 15:05 | 2003/07/15 14:59 | 2003/07/15 14:58 | 2003/07/15 15:20 | 2003/07/15 14:54 | | 2003/07/15 13:47 | 2003/07/15 13:47 | 2003/07/15 15:26 | | 2003/07/15 15:22 | 2003/07/15 13:34 | | | | | | F000701710 10:00 | 2003/07/15 13:33 | | | | 2003/07/15 13:33 |

| | US-PGPUB | (mask\$3 with frequenc\$3)) and mask\$3) and (mask\$3 same ((low\$2 or high\$3 or larg\$3 or mid\$4 or intermediat\$3) near2 frequenc\$3)) | |
|---|-----------|---|----------|
| 2003/07/15 16:51 | USPAT; | ((((authentication\$2 or authenticit\$3 or watermark\$3 or (water adj mark\$3) or embed\$4 or encrypt\$4)) and | 2 |
| 2003/07/15 16:49 | USPAT; | 700 (((authentication\$2 or authenticit\$3 or watermark\$3 or (water adj mark\$3) or embed\$4 or encrypt\$4)) and | |
| | US-PGPUB | (mask\$3 with frequenc\$3) | |
| 2003/07/15 16:49 | USPAT; | Same rrequences)) and @nad≤19990710) 700 ((authentication\$2 or authenticit\$3 or watermark\$3 or (water adj mark\$3) or embed\$4 or encrypt\$4)) and | 7 |
| | | frequenc\$3) and ((low\$2 or high\$3 or larg\$3 or mid\$4 or intermediat\$3) near2 frequenc\$3)) and (mask\$3 | · |
| - | | and mask\$3) and (mask\$3 with (stochastic\$5 or (blue adj noise\$2) or noise\$2 or frequenc\$3))) and | |
| | | frequenc\$3)) and (mask\$3 same frequenc\$3)) and @ad<19990716) or (((((((((authentication\$2 or | |
| | | or frequenc\$3))) and frequenc\$3) and ((low\$2 or high\$3 or larg\$3 or mid\$4 or intermediat\$3) near2 | |
| 200000000000000000000000000000000000000 | US-PGPUB | and (mask\$3 with image\$2)) and mask\$3) and (mask\$3 with (stochastic\$5 or (blue adj noise\$2) or noise\$2 | |
| 2003/07/15 15:27 | IISDAT: | | |
| | | \$4 or interme | |
| 100000000000000000000000000000000000000 | US-PGPUB | | |
| 2003/07/15 15:27 | IISPAT: | 34 //////suthentication\$2 or suthenticit\$3 or watermark\$3 or (water adj mark\$3) or embed\$4 or encrypt\$4)) and | - |
| | | id\$4 or interme | |
| | US-PGPUB | | |
| 2003/07/15 16:52 | USPAT: | 74 (((((((authentication\$2 or authenticit\$3 or watermark\$3 or (water adi mark\$3) or embed\$4 or encrypt\$4)) and | |
| | | frequenc\$3)) and frequenc\$3) and ((low\$2 of nign\$3 of larg\$3 of mid\$4 of intermediat\$3) near2 | |
| | US-PGPUB | (mask\$3 with image\$2)) and mask\$3) and (mask\$3 with (stochastic\$5 or (blue adj noise\$2) or noise\$2 or | |
| 2003/07/15 15:26 | USPAT; | 108 (((((((authentication\$2 or authenticit\$3 or watermark\$3 or (water adj mark\$3) or embed\$4 or encrypt\$4)) and | |
| | | frequenc\$3))) and frequenc\$3) and ((low\$2 or high\$3 or larg\$3 or mid\$4 or intermediat\$3) near2 frequenc\$3) | |
| | US-PGPUB | | |
| 2003/07/15 16:50 | USPAT: | requencoo))) and requencoo 123 (((((authentication\$2 or authenticit\$3 or watermark\$3 or (water adi mark\$3) or embed\$4 or encryot\$4)) and | |
| | US-PGPUB | (mask\$3 with image\$2)) and mask\$3) and (mask\$3 with (stochastic\$5 or (blue adj noise\$2) or noise\$2 or | |
| 2003/07/15 15:23 | USPAT; | ation\$2 or authenticit\$3 or watermark\$3 or (water adj mark\$3) or emb | |
| | 0 | | |
| 2003/07/15 15:23 | US-PGPIIR | ואין ((@authentications-z or authenticits) or watermark) און פריפין (mask\$3) or embeds-4 or encrypts-4)) and mask\$3) or watermark אין שליפין (@ask\$3) or embeds-4 or encrypts-4)) and mask\$3) or embeds-4 or encrypts-4)) and mask\$3) or embeds-4 or encrypts-4). | |
| 200000000000000000000000000000000000000 | US-PGPUB | | |
| 2003/07/15 16:49 | USPAT; | _ | - 2559 |
| | US-PGPUB | (mask\$3 with image\$2) | |
| 2003/07/15 16:52 | USPAT: | 2559 ((authentication\$2 or authenticit\$3 or watermark\$3 or (water adi mark\$3) or embed\$4 or encrypt\$4)) and | - 25 |
| 2003/07/15 15:20 | USPAT; | 10 (authentication\$2 or authenticit\$3 or watermark\$3 or (water adj mark\$3) or embed\$4 or encrypt\$4) | - 247810 |
| | US-PGPUB | frequenc\$3)) and mask\$3 and frequenc\$3) and embed\$4 | - |
| 2003/07/15 15:14 | USPAT; | 8 ((((mask\$3 near5 image\$2) and (mask\$3 with (stochastic\$5 or (blue adj noise\$2)))) and (mask\$3 same | • |
| | 0 | auxiliar\$3 or embed\$4 or encod\$3 or encrypt\$4) | |
| 2003/07/15 15:19 | | T6 ((((mask\$3 near5 image\$2) and (mask\$3 with (stochastic\$5 or (blue adj noise\$2))))) and (mask\$3 same frequenc\$3) and (mask\$3 or mask\$3 or mask | • |
| | | auxiliar\$3 o embed\$4 or encod\$3) | |
| 2003/07/13 13:00 | US-PGPUB | | |
| 2003/07/15 15:06 | ISPAT: | | |

| | , | | | | - 1 | Ţ | | | | | | | | • | <u> </u> | | | - - | | |
|---|--|--|--------------------------------|------------------|---|--|--|---|---|--------------------|--|--|--|---------------------------------------|--------------------|--|------------------|---|--|--|
| | | | | | | | | | | | | | | • | • | | • | | , | <u>'</u> |
| œ | 4 | 6 | 15 | | 49 | 25 | 34 | 80 | 4 719 | 14 | | 12 | ـــ | 19 | _ | | 60 | 25 | 56 | 88 |
| (((watermark\$3 and mask\$3) and (period\$7 with mask\$3)) and @ad<19990716) or (((watermark\$3 and mask\$3)) and @riad<19990716) | ((watermark\$3 and mask\$3) and (period\$7 with mask\$3)) and @rlad<19990716 | ((watermark\$3 and mask\$3) and (period\$7 with mask\$3)) and @ad<19990716 | | ermark\$3 and | (((watermark\$3 and mask\$3) and (frequenc\$3 with mask\$3)) and @ad<19990716) or (((watermark\$3 and mask\$3)) and @rlad<19990716) | ((watermark\$3 and mask\$3) and (frequenc\$3 with mask\$3)) and @rlad<19990716 | ((watermark\$3 and mask\$3) and (frequenc\$3 with mask\$3)) and @ad<19990716 | (watermark\$3 and mask\$3) and (frequenc\$3 with mask\$3) | ("4903147" "5107349" "5734752" "5867607").PN. watermark\$3 and mask\$3 | | 387-\$ or US-6438251-\$ or 20020164048-\$ or | (US-6208735-\$ or US-5905819-\$ or US-5790703-\$ or US-5734752-\$ or US-6226387-\$ or US-6438251-\$ or US-5893101-\$ or US-5687236-\$ or US-5682442-\$ or US-5111310-\$).did. or (US-20020164048-\$ or US-20020181025-\$).did. | ((mask\$3 and (blue adj nois\$3)).clm.) and embed\$4 | (mask\$3 and (blue adj nois\$3)).clm. | | irrequencs3)) and masks3 and (masks3 same ((lows2 or nighs3 or largs3 or mids4 or 3) near2 frequenc\$3))) and mask\$3.clm.) and @ad<19990716) or ((((((authentication\$2 or or watermark\$3 or (water adj mark\$3) or embed\$4 or encrypt\$4)) and (mask\$3 with and mask\$3) and (mask\$3 same ((low\$2 or high\$3 or larg\$3 or mid\$4 or intermediat\$3) near2) and mask\$3.clm.) and @rlad<19990716) | (4)) and |) or embed\$4 or encrypt\$4)) and h\$3 or larg\$3 or mid\$4 or | 3 or (water adj mark\$3) or embed\$4 or encrypt\$4)) and 3 same ((low\$2 or high\$3 or larg\$3 or mid\$4 or) and @ad<19990716 | (((((authentication\$2 or authenticit\$3 or watermark\$3 or (water adj mark\$3) or embed\$4 or encrypt\$4)) and (mask\$3 with frequenc\$3)) and mask\$3) and (mask\$3 same ((low\$2 or high\$3 or larg\$3 or mid\$4 or intermediat\$3) near2 frequenc\$3))) and mask\$3.clm. |
| US-PGPUB USPAT; US-PGPUB | USPAT; | USPAT; | US-PGPUB USPAT; US BCDUB | USPAT; | USPAT; US-PGPUB | USPAT; US-PGPUB | USPAT; US-PGPUB | USPAT; US-PGPUB | USPAT USPAT; US-PGPUB | USPAT; US-PGPUB | USPAT; US-PGPUB | USPAT; US-PGPUB | USPAT; US-PGPUB | USPAT; US-PGPUB | USPAT; US-PGPUB | טי-דיקדי מייטש | USPAT; | USPAT; US-PGPUB | USPAT; US-PGPUB | USPAT; US-PGPUB |
| 2003/07/18 15:32 | 2003/07/18 14:56 | 2003/07/18 14:56 | 2003/07/18 14:55 | 2003/07/18 14:55 | 2003/07/18 14:54 | 2003/07/18 14:38 | 2003/07/18 15:33 | 2003/07/18 14:38 | 2003/07/16 15:11 2003/07/18 14:37 | 2003/07/18 14:36 | 2003/07/16 13:04 | 2003/07/16 13:01 | 2003/07/16 12:57 | 2003/07/16 12:57 | 2003/07/15 16:58 | | 2003/07/15 16:52 | 2003/07/15 16:52 | 2003/07/15 16:52 | 2003/07/15 16:52 |

| | 00 | | | |
|------------------|--------------------|--|------|-----|
| 2003/07/18 17:32 | USPAT; | watermark\$3 with bit\$2 | 593 | • |
| 2003/07/18 17:31 | USPAT; | (watermark\$3 same mask\$3) and parker\$2 | 4 | • |
| 2003/07/18 17:27 | USPAT; | ((((watermark\$3 same mask\$3) and (mask\$3 with bit\$2)) and @ad<19990716) or (((watermark\$3 same mask\$3) and (mask\$3 with bit\$2)) and (mask\$3 or notice!s) | 6 | • |
| 2003/07/18 17:18 | USPAT; | (((watermark\$3 same mask\$3) and (mask\$3 with bit\$2)) and @ad<19990716) or (((watermark\$3 same | 17 | • |
| 2003/07/18 16:34 | USPAT; | ((watermark\$3 same mask\$3) and (mask\$3 with bit\$2)) and @rlad<19990716 | 8 | • |
| 2003/07/18 18:47 | USPAT; | ((watermark\$3 same mask\$3) and (mask\$3 with bit\$2)) and @ad<19990716 | 13 | |
| 2003/07/18 16:34 | USPAT; | (watermark\$3 same mask\$3) and (mask\$3 with bit\$2) | 44 | • |
| 2003/07/18 16:34 | USPAT; | (watermark\$3 same mask\$3) and periodical\$3 | 22 | • |
| 2003/07/18 18:10 | USPAT; | (watermark\$3 same mask\$3) and (add\$5 with subtract\$4 with mask\$3) | 7 | • |
| 2003/07/18 16:12 | USPAT; | (watermark\$3 same mask\$3) and tewfi\$3.in. | 7 | • |
| 2003/07/18 16:27 | USPAT; | watermark\$3 same mask\$3 | 203 | • |
| 2003/07/18 15:48 | USPAT; | ((dimension\$3 near3 mask\$3) and (period\$7 near5 mask\$3)) and (watermark\$3 or authentication\$2 or | 2 | • |
| 2003/07/18 15:38 | USPAT: | ((((uniforsion\$3 near3 mask\$3) and (period\$7 near5 mask\$3) | 343 | • |
| 2003/07/18 15:38 | USPAT; | (((((dimension\$3 near3 mask\$3) and peak\$2) and embed\$4) and digital\$3) and @ad<19990716) or | 25 | • |
| 2003/07/18 15:35 | USPAT; | ((((dimension\$3 near3 mask\$3) and peak\$2) and embed\$4) and digital\$3) and @rlad<19990716 | 18 | • |
| 2003/07/18 17:33 | USPAT; | ((((dimension\$3 near3 mask\$3) and peak\$2) and embed\$4) and digital\$3) and @ad<19990716 | 22 | 1 |
| 2003/07/18 15:35 | USPAT; | (((dimension\$3 near3 mask\$3) and peak\$2) and embed\$4) and digital\$3 | 45 | • |
| 2003/07/18 15:35 | USPAT; | ((dimension\$3 near3 mask\$3) and peak\$2) and embed\$4 | 777 | • |
| 2003/07/18 15:35 | USPAT; US-PGPUB | ((((dimension\$3 near3 mask\$3) and peak\$2) and (watermark\$3 or authentication\$2 or authenticit\$3)) and @ad<19990716) or ((((dimension\$3 near3 mask\$3) and peak\$2) and (watermark\$3 or authentication\$2 or authenticit\$3)) and @riad<10000716) | ω | • • |
| 2003/07/18 15:34 | USPAT; | (((dimension\$3 near3 mask\$3) and peak\$2) and (watermark\$3 or authentication\$2 or authenticit\$3)) and @rlad<19990716 | _ | • |
| 2003/07/18 15:35 | USPAT; | (((dimension\$3 near3 mask\$3) and peak\$2) and (watermark\$3 or authentication\$2 or authenticit\$3)) and @ad<19990716 | ω | 1 |
| 2003/07/18 15:38 | USPAT; | ((dimension\$3 near3 mask\$3) and peak\$2) and (watermark\$3 or authentication\$2 or authenticit\$3) | 26 | • |
| 2003/07/18 15:33 | USPAT; | (dimension\$3 near3 mask\$3) and peak\$2 | 785 | • |
| 2003/07/18 15:33 | USPAT; | dimension\$3 near3 mask\$3 | 5307 | • |

| | | | |) | | | | | | | | | | | | | | | |
|--|---|----------|--|---------------------------------------|----------|--|---|---|---|--|--|----------|---|----------|---|----------|---|----------|--|
| • | • | | • | • | | • | | | • | _ | 1 | | • | | • | | • | | • |
| 76 | | 1 | 19 | 82 | } | 20 | | | 2 | | 50 | 1 | 28 | | 33 | } | 85 | 1 | 210 |
| (("adding/subtracting" and watermark\$3) and @ad<19990716) or (("adding/subtracting" and watermark\$3) and @rlad<19990716) | / I (adding/subtracting and watermark\$3) and @riad<19990716 | | ("adding/subtracting" and watermark\$3) and @ad<19990716 | "adding/subtracting" and watermark\$3 | | (add\$5 and subtract\$4 and watermark\$3).clm. | ((add\$5 and subtract\$4) with mask\$3) | ((((watermark\$3 with bit\$2) and mask\$3) and ((screen\$2 or mask\$3) with bit\$2)) and @rlad<19990716)) and | ((((watermark\$3 with bit\$2) and mask\$3) and ((screen\$2 or mask\$3) with bit\$2)) and @ad<19990716) or | ((((watermark\$3 with bit\$2) and mask\$3) and ((screen\$2 or mask\$3) with bit\$2)) and @rlad<19990716) | (((watermark\$3 with bit\$2) and mask\$3) and ((screen\$2 or mask\$3) with bit\$2)) and @ad<19990716) or | | ((watermark\$3 with bit\$2) and mask\$3) and ((screen\$2 or mask\$3) with bit\$2)) and @rlad<19990716 | | ((watermark\$3 with bit\$2) and mask\$3) and ((screen\$2 or mask\$3) with bit\$2)) and @ad<19990716 | | ((watermark\$3 with bit\$2) and mask\$3) and ((screen\$2 or mask\$3) with bit\$2) | | 210 (waterillal kas with bitas) and maskas |
| USPAT; US-PGPUB | USPAT; US-PGPUB | US-PGPUB | USPAT: | USPAT; | US-PGPUB | USPAT; | | US-PGPUB | USPAT: | US-PGPUB | USPAT; | US-PGPUB | USPAT; | US-PGPUB | USPAT; | US-PGPUB | USPAT; | US-PGPUB | USPAT: |
| 2003/07/18 18:47 | 2003/07/18 18:47 | | 2003/07/18 18:47 | 2003/07/18 18:46 | | 2003/07/18 18:46 | | _ | 2003/07/18 18:39 | | 2003/07/18 17:33 | | 2003/07/18 17:33 | | 2003/07/18 17:33 | - | 2003/07/18 17:32 | | 2003/07/18 17:32 |